

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)	ATTY. DOCKET NO. 4183-1-1	SERIAL NO. 09/866,533
	APPLICANT MIRKIN et al.	
	FILING DATE May 24, 2001	GROUP ART



U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROP.
WPF	1	5,747,334	5/5/98	Kay et al.	435	320.1	
↓	2	5,962,736	10/5/99	Zambias et al.	564	152	
	3	5,985,356	11/16/99	Schultz et al.	427	8	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION	
							YES	NO
WPF	4	WO 96/31625	10/10/96	PCT				
↓	5	WO 99/31267	6/24/99	PCT				
	6	WO 00/36136	6/22/00	PCT				
	7	WO 00/46406	8/10/00	PCT				

OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)

WPF	8	Abbott et al., <i>Science</i> , 257:1380-1382 (1992)
WPF	9	C&EN: Letters, http://cen.acs.org/isubscribe/journals/...right.cgi?7931lett.html/QueryZIP/mirkin , (C&EN, 79(31):8-11, 7/30/01)
WPF	10	Delamarche et al., <i>J. Phys. Chem. B</i> , 101:9263-9269 (1997)
WPF	11	Lutwyche et al., <i>Sensors and Actuators</i> , 73:89-94 (1999)
WPF	12	Minne et al., <i>Appl. Phys. Lett.</i> , 72(18):2340-2342 (1998)
WPF	13	Minne et al., <i>Appl. Phys. Lett.</i> , 73(12):1742-1744 (1998)
WPF	14	Hamilton, New Times, http://www.newtimeslo.com/archives/index.html and http://www.newtimeslo.com/archives/cov_stories_2001/cov_08162001.html (New Times, Vol. 16, No. 1, 8/16/01)
WPF	15	Ritter, C&EN, pp. 24-31, (11/12/2001)
WPF	16	Schwartz, <i>Langmuir</i> , 17:5971 (2001)
WPF	17	Tsukamoto et al., <i>Rev. Sci. Instrum.</i> , 62(7):1767-1771 (1991)
WPF	18	Vettiger et al., <i>Microelectronic Engineering</i> , 46:11-17 (1999)

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EXAMINER <i>William J. Kelly</i>	DATE CONSIDERED 11/17/03
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FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)	ATTY. DOCKET NO. 4183-1	SERIAL NO. 09/477,997
	APPLICANT MIRKIN et al.	
	FILING DATE January 5, 2000	GROUP ART

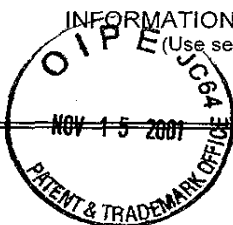


U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROP.
WPF	1	Re.35,317	8/27/96	Lindsay	250	307	
	2	4,479,831	10/30/84	Sadow et al.	148	1.5	
	3	5,138,174	8/11/92	Tang	250	492.3	
	4	5,221,415	6/22/93	Albrecht et al.	156	629	
	5	5,227,626	7/13/93	Okada et al.	250	234	
	6	5,252,835	10/12/93	Lieber et al.	250	492.1	
	7	5,254,854	10/19/93	Betzig	250	234	
	8	5,345,815	9/13/94	Albrecht et al.	73	105	
	9	5,354,985	10/11/94	Quate	250	234	
	10	5,363,697	11/15/94	Nakagawa	73	105	
	11	5,372,930	12/13/94	Colton et al.	435	6	
	12	5,472,881	12/5/95	Beebe et al.	436	94	
	13	5,517,280	5/14/96	Quate	355	71	
	14	5,618,760	4/8/97	Soh et al.	438	703	
	15	5,630,932	5/20/97	Lindsay et al.	205	645	
	16	5,666,190	9/9/97	Quate et al.	355	71	
	17	5,742,377	4/21/98	Minne et al.	355	71	
	18	5,763,933	6/9/98	White	257	528	
	19	5,874,668	2/23/99	Xu et al.	73	105	
	20	5,922,214	7/13/99	Liu et al.	216	2	
	21	6,034,348	3/7/00	Kim et al.	219	121.68	
	22	6,181,097	1/30/01	Li et al.	318	592	
	23	6,262,426	7/17/01	Zafiratosz	250	492.2	
	24	09/477,997		Mirkin et al.			1/5/00

EXAMINER <i>William C. White</i>	DATE CONSIDERED <i>11/17/03</i>
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FOREIGN PATENT DOCUMENTS

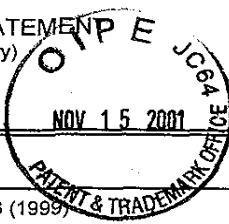
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION	
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WPF	25	WO 00/04382	1/2000	PCT				
↓	26	WO 00/04389	1/2000	PCT				
	27	WO 00/04390	1/2000	PCT				
↓	28	WO 00/41213	7/2000	PCT				

OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)

WPF	29	Abbott et al., <i>Langmuir</i> , 10:2672-2682 (1994)
WPF	30	Alves et al., <i>J. Am. Chem. Soc.</i> , 114:1222-1227 (1992)
WPF	31	Amro et al., <i>Langmuir</i> , 16:3006-3009 (2000)
WPF	32	Bain et al., <i>Angew. Chem. Int. Ed. Engl.</i> , 28:506 (1989)
WPF	33	Berggren et al., <i>Science</i> , 269:1255 (1995)
WPF	34	Bernard et al., <i>Langmuir</i> , 14(9):2225-2229 (1998)
WPF	35	Binggeli et al., <i>Appl. Phys. Lett.</i> , 65:415 (1994)
WPF	36	Bishop et al., <i>Curr. Opin. Coll. Interf. Sci.</i> , 1:127-136 (1996)
WPF	37	Bottomley, <i>Anal. Chem.</i> , 70:425R (1998)
WPF	38	Calvert, <i>J. Vac. Sci. Technol. B</i> , 11(6):2155-2163 (1993)
WPF	39	Carr et al., <i>J. Vac. Sci. Technol. A</i> , 15:1446 (1997)
WPF	40	Dubois et al., <i>Annu. Rev. Phys. Chem.</i> , 43:437-63 (1992)
WPF	41	Feldheim et al., <i>Chem. Soc. Rev.</i> , 27:1-12 (1998)
WPF	42	Foster et al., <i>Nature</i> , 331:324-326 (1988)
WPF	43	Frisbie et al., <i>Science</i> 265, 2071-2074 (1994)
WPF	44	Fujihira et al., <i>Chem. Lett.</i> , 499 (1996)
WPF	45	Herne et al., <i>J. Am. Chem. Soc.</i> 119:8916-8920 (1997)
WPF	46	Hidber et al., <i>Langmuir</i> , 12:5209-5215 (1996)
WPF	47	Hong et al., <i>Langmuir</i> , 15:7897-7900 (1999)

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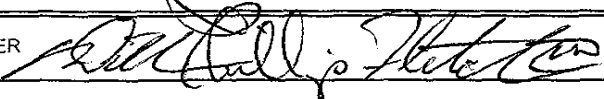


WPF	48	Hong et al., <i>Science</i> , 286:523-528 (1999)
WPF	49	Huck et al., <i>Langmuir</i> , 15:6862-6867 (1999)
WPF	50	James et al., <i>Langmuir</i> , 14:741-744 (1998)
WPF	51	Jaschke et al., <i>Biosensors & Bioelectronics</i> , 11(6/7):601-612 (1996)
WPF	52	Jaschke et al., <i>Langmuir</i> , 11:1061-1064 (1995)
WPF	53	Kim et al., <i>Nature</i> , 376:581 (1995)
WPF	54	Kim et al., <i>Science</i> , 257:375 (1992)
WPF	55	Komeda et al., <i>J. Vac. Sci. Technol. A</i> , 16:1680 (1998)
WPF	56	Kumar et al., <i>J. Am. Chem. Soc.</i> , 114:9188 (1992)
WPF	57	Lahiri et al., <i>Langmuir</i> , 15:2055-2060 (1999)
WPF	58	Lercel et al., <i>Appl. Phys. Lett.</i> , 68:1504 (1996)
WPF	59	Li et al., <i>J. Am. Chem. Soc.</i> 123:2105-2106 (2001)
WPF	60	Lo et al., <i>Langmuir</i> , 15:6522-6526 (1999)
WPF	61	McCord et al., <i>J. Vac. Sci. Technol. B</i> , 6(1):293-296 (1988)
WPF	62	McCormack et al., "Tiled Polygon Traversal Using Half-Plane Edge Functions" Compaq Computer Corporation (2000)
WPF	63	Mamin et al., <i>J. Vac. Sci. Technol. B</i> , 9(2):1398-1402 (1991)
WPF	64	Marshall, <i>Science</i> , 292:2411-2412 (2001)
WPF	65	Maynor et al., <i>Langmuir</i> 17:2575-2578 (2001)
WPF	66	Mirkin et al., <i>ChemPhysChem</i> , 2:37-39 (2001)
WPF	67	Müller et al., <i>J. Vac. Sci. Technol. B</i> , 13:2846 (1995)
WPF	68	Müller et al., <i>Science</i> , 268:272-273 (1995)
WPF	69	Noy et al., <i>J. Am. Chem. Soc.</i> 117, 7943-7951 (1995)
WPF	70	Noy et al., <i>Langmuir</i> 14, 1508-1511 (1998)
WPF	71	Nyffenegger et al., <i>Chem. Rev.</i> , 97:1195 (1997)
WPF	72	Perkins et al., <i>Appl. Phys. Lett.</i> , 68:550 (1996)
WPF	73	Piner et al., <i>Langmuir</i> , 13:6864-6868 (1997)
WPF	74	Piner et al., <i>Langmuir</i> , 15:5457-5460 (1999)
WPF	75	Piner et al., <i>Science</i> , 283:661-663 (1999)
WPF	76	Reed et al., <i>Science</i> , 278:252-254 (1997)
WPF	77	Ritter, <i>C&EN</i> , p. 40 (2001)

EXAMINER <i>Paul Phillip Hite</i>	DATE CONSIDERED 11/17/03
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	APPLICANT MIRKIN et al.	
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WPF	78	Ross et al., <i>Langmuir</i> , 9:632-636 (1993)
WPF	79	Schoer et al., <i>Langmuir</i> , 13:2323-2332 (1997)
WPF	80	Service, <i>Science</i> , 286:389-391 (1999)
WPF	81	Silver et al., <i>App. Phys. Lett.</i> , 51(4):247-249 (1987)
WPF	82	Sondag-Huethorst et al., <i>Appl. Phys. Lett.</i> , 64:285 (1994)
WPF	83	Sonnenfeld, <i>App. Phys. Lett.</i> , 49(18):1172-1174 (1986)
WPF	84	Sugimura et al., <i>J. Vac. Sci. Technol. A</i> , 14:1223 (1996)
WPF	85	Ulman, A., <i>An Introduction to Ultrathin Organic Films: From Langmuir-Blodgett to Self-Assembly</i> (Academic Press, Boston, 1991)
WPF	86	Weinberger et al., <i>Adv. Mater.</i> , 12:1600-1603 (2000)
WPF	87	Wilbur et al., <i>Langmuir</i> 11, 825-831 (1995)
WPF	88	Vezenov et al., <i>J. Am. Chem. Soc.</i> 119, 2006-2015 (1997)
WPF	89	Xia et al., <i>Science</i> , 273:347-349 (1996)
WPF	90	Xia et al., <i>Angew. Chem. Int. Ed. Engl.</i> , 37:550-575 (1998)
WPF	91	Xu et al., <i>Langmuir</i> , 13:127-129 (1997)
WPF	92	Xu et al., <i>J. Phys. Chem. B</i> , 102:540 (1998)
WPF	93	Yan et al., <i>J. Am. Chem. Soc.</i> , 120:6179-6180 (1998)
WPF	94	Yan et al., <i>Langmuir</i> , 15(4):1208-1214 (1999)

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